

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (currently amended): A device for the transfer of heat away from a heat source comprising:

a base having first and second surfaces, the first surface being configured to be in contact with attached to a surface of said heat source;

a plurality of fins extending from said second surface of said base, said plurality of fins being integrated with said second surface;

a chamber disposed between said first surface and said second surface of said base;

a divider disposed between said first surface and said second surface within said chamber;

a cooling fluid disposed within said chamber;

a pump proximate an edge of said base and external to said chamber, the pump having a power cord connected to a power source, the pump being configured to circulate the cooling fluid within said chamber;

an inlet of said pump being proximate said first surface of said base to receive said cooling fluid in said chamber that is proximate said first surface; and

an outlet of said pump that pumps said cooling fluid over a first surface of said divider.

Claim 2 (original): The device according to claim 1 further including a plurality of flow dividers extending from a first surface of said divider.

Claim 3 (canceled)

Claim 4 (original): The device according to claim 1 further characterized in that said pump circulates said fluid within said chamber.

Claim 5 (original): The device according to claim 2 wherein said plurality of flow dividers are disposed upon said first surface of said divider in a pattern that maximizes heat transfer from said fluid to said fins.

Claim 6 (original): The device according to claim 1 characterized in that said pump is disposed within said chamber.

Claim 7 (canceled)

Claim 8 (original): The device according to claim 1 wherein said cooling fluid is chosen from the group consisting of alcohol, antifreeze, propylene glycol, water.

Claim 9 (original): The device according to claim 1 wherein said base and said fins are constructed of one of the following materials chosen from the group consisting of copper, aluminum, steel, plastic.

Claim 10 (original): The device according to claim 1 further including a fan attached to said fins.

Claim 11 (original): The device according to claim 1, wherein said cooling fluid is contained within the device.

Claim 12 (original): A device for transferring heat away from a heat source, comprising:

a base having first and second surfaces, the first surface being configured to be in ~~contact with~~ attached to a surface of the heat source;

at least one fin extending from the second surface, the at least one fin being integrated with the second surface;

a chamber disposed between the first and second surfaces of the base;

a divider disposed between the first and second surfaces within the chamber; and

a pump proximate to an edge of the base and external to the chamber, the pump being configured to circulate a cooling fluid within the chamber.

Claim 13 (original): The device of claim 12, further comprising:

an inlet of the pump proximate to the first surface, the inlet being configured to receive the cooling fluid within the chamber; and

an outlet of the pump proximate to the second surface, the outlet being configured to pump the cooling fluid over the second surface.

Claim 14 (original): The device of claim 12, further comprising:

at least one flow divider extending from a surface of the divider.

Claim 15 (original): The device of claim 14, wherein the at least one flow divider is disposed upon the surface of the divider in a pattern that maximizes heat transfer from the cooling fluid to the at least one fin.

Claim 16 (original): The device of claim 12, wherein the cooling fluid is contained within the chamber.

Claim 17 (original): The device of claim 12, further comprising:
a fan attached to the at least one fin.